



Welcome to Integral Calculus!

Course: MTH 252

Quarter: Fall 2019

Classroom: WOH 120

CRN: 20190

Class Times: MTWRF 9 – 9:50 am

Credits 5

Instructor: Michael Lopez

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Email: lopezm@linnbenton.edu

Office: WOH 108

Office Hours: T&R 10 – 11:30 am

Prerequisites:

MATH 251 or equivalent

Required Materials:

MyMathLab Access Code

Class Code: `lopez16815`

Optional Materials:

Calculus Early Transcendentals by Briggs, Cochran, Gillette (any edition)

Course Description

The second course in the calculus sequence for students majoring in mathematics, science and engineering. Topics include techniques of integration, numerical integration, improper integrals, applications of integration, and an introduction to differential equations.

Tips for Success

Come to class prepared.

Do your homework in a timely fashion.

Find help if you are confused.

Talk to me – office hours, email. (I am your best resource!!)

Form a study group with other students.

Homework

Homework will be done using MyMathLab. Homework will generally be due one week after the topic has been introduced.

Group Activities & Participation

We will be doing a lot of active learning in the class; however, there will often be a day specifically for group activities (usually on Thursday, see Calendar). No make-ups, you must come to class to earn up to full credit on the group activities.

Participation is a factor. At the end of each week, I will give you points for your participation in class. If you do not come to class on group activity days, you miss the points for the activity and the points for participation. Each day is worth points! (I will talk more about this in class on the first day of class) For participation only, I will excuse 2 days.

Quizzes

There will be 6 quizzes this term (on Fridays), there are no make-ups for quizzes, but I will drop your lowest score. The Quizzes will cover in class material from the prior week. Each quiz will roughly be about five minutes and will typically be one to two questions.

Presentations

Almost every week, your group will present some mathematical content that I will assign. You will present as a group, and each person will be graded on how much they participate in the presentation. Expect each group to present for roughly 6 to 8 minutes.

Tests:

There will be 2 tests (50 minutes) during the term (in class during week 4 and week 7, respectively) and a cumulative final exam (1 hour and 50 minutes).

There will also be an integral **proficiency test**. The proficiency test must be passed at a 95% or higher to receive any credit. You may retake the proficiency test up to 2 times. Please speak to me **BEFOREHAND** if you have to miss a test (only extreme circumstances will be excused). (See the Course Calendar for dates)

Grading:

Homework	25%
Participation	10%
Quiz	5%
Presentations	5%
2 Midterm Exams	30% (15% each)
Proficiency Test	5 %
Final Exam	20%

Scale:

90 – 100%	A
80 – 89%	B
70 – 79%	C
60 – 69%	D
Under 60%	F

No Y or WP grades will be given in this class.

Tentative Calendar:

Week	Topics/Sections
1	4.9, 5.1, 5.2
2	5.2 continued, 5.3
3	5.4, 5.5 6.1,
4	6.2, Review, Test 1 (in class) , 6.3
5	6.4, 6.5,
6	6.6, 6.7, 8.1
7	Holiday, Review, Test 2 (in class) , 8.2
8	8.3, 8.4, 8.5
9	Proficiency Test , 8.6, Holiday
10	8.8, 8.9, Review
Finals	Final Exam Wed 10-11:50 am!!

Upon completion of the course, the student will be able to

1. Calculate, interpret and communicate the concept of the integral.

2. Integrate a variety of functions using multiple techniques.
3. Recognize when and how to apply calculus tools to solve problems in business, the sciences and engineering.

Changes to the Syllabus

I reserve the right to change the contents of this syllabus due to unforeseen circumstances. You will be given notice of relevant changes in class, through a Moodle Announcement, Instructor Website, and/or through LBCC e-mail.

Academic Honesty:

I assume that you are ethical and honest. However, if there is an incident of academic dishonesty (cheating), you will receive a score of zero for that test/assignment and the incident will be reported to the college administration for possible further disciplinary action. If there is a second offense, you will receive a grade of F for the course and the incident will be reported to the college administration with a recommendation for disciplinary action.

Special Circumstances:

Students who have any emergency medical information the instructor should know of, who need special arrangements in the event of evacuation, or students with documented disabilities who may need accommodations, should **make an appointment with the instructor as early as possible, no later than the first week of the term.**

LBCC Comprehensive Statement of Nondiscrimination

LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, gender, gender identity, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws. For further information see Board Policy P1015 in our [Board Policies and Administrative Rules](#). Title II, IX, & Section 504: Scott Rolen, CC-108, 541-917-4425; Lynne Cox, T-107B, 541-917-4806, LBCC, Albany, Oregon. To report: linnbenton-advocate.symplicity.com/public_report

Disability and Access Statement

LBCC is committed to inclusiveness and equal access to higher education. If you have approved accommodations through the Center for Accessibility Resources (CFAR) and would like to use your accommodations in the class, please talk to your instructor as soon as possible to discuss your needs. If you believe you may need accommodations but are not yet registered with CFAR, please visit the [CFAR Website](#) for steps on how to apply for services or call [\(541\) 917-4789](tel:5419174789).

Statement of Inclusion

To promote academic excellence and learning environments that encourage multiple perspectives and the free exchange of ideas, all courses at LBCC will provide students the opportunity to interact with values, opinions, and/or beliefs different than their own in safe, positive and nurturing learning environments. LBCC is committed to producing culturally literate individuals capable of interacting, collaborating and problem-solving in an ever-changing community and diverse workforce.

Inclusive Classroom:

Establishing and maintaining an inclusive, welcoming space is critical for an effective learning environment. To aid in this effort, students and the instructor will be held to the following classroom expectations (adapted from Classroom Ground Rules developed by Washing University):

- Show respect for individuals by learning and using correct names and pronouns.
- Respect the speaker, even when you do not agree with or respect the point the speaker is making.
- Listen carefully; do not interrupt.
- Try not to generalize about groups (even groups with which you identify).
- Keep an open mind.
- It is ok not to know the answer. Give yourself and others the space to make mistakes.
- Do not “monopolize” the conversation; give others in your group a chance to contribute.
- Support an atmosphere of learning and growth.
- Support your arguments with evidence.

- Talk with me about patterns in the discussion that are troubling or that may be impeding full engagement from you or others.

Title IX Reporting Policy

If you or another student are the victim of any form of sexual misconduct (including dating/domestic violence, stalking, sexual harassment), or any form of gender discrimination, LBCC can assist you. You can [report](#) a violation of our sexual misconduct policy directly to our Title IX Coordinator. You may also report the issue to a faculty member, who is required to notify the Coordinator, or you may make an appointment to speak confidentially to our Advising and Career Center by calling 541-917-4780.

Public Safety/Campus Security/Emergency Resources:

In an emergency, call 911. Also, call LBCC Campus Security/Public Safety at 541-926-6855 and 541-917-4440.

From any LBCC phone, you may alternatively dial extension 411 or 4440. LBCC has a [public safety app](#) available for free. We encourage people to download it to their cell phones. Public Safety also is the home for LBCC's Lost & Found. They provide escorts for safety when needed. Visit them to learn more.